

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|   |   |                            |
|---|---|----------------------------|
| In re Application of:                   | ) |                            |
| TAKASHI KENMOKU ET AL.                  | ) | Examiner: Not Yet Assigned |
| Application No.: 10/580,830             | ) | Group Art Unit: 1632       |
| Int'l Application No. PCT/JP2005/011000 | ) | Confirmation No. 7588      |
| Filed: June 9, 2005                     | ) |                            |
| For: POLYHYDROXYALKANOIC                | ) |                            |
| ACID HAVING ESTER,                      | ) |                            |
| CARBOXYL OR SULFONIC                    | ) |                            |
| ACID GROUP, AND                         | ) |                            |
| PRODUCING METHOD                        | ) |                            |
| THEREFOR                                | ) | March 14, 2007             |

**Mail Stop PCT**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SECOND INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the attached Form PTO-1449. Since the U.S. Patent and Trademark Office waived the requirement under 37 C.F.R. § 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications and for all international applications that have entered the national stage under 35 U.S.C. § 371, no copies of such documents are provided. Copies of the other listed documents are submitted herewith.

The Examiner's attention is also directed to the following U.S. Applications:

| <u>APPLICATION NO.</u> | <u>FILING DATE</u> | <u>GROUP ART UNIT</u> |
|------------------------|--------------------|-----------------------|
| 10/574,001             | 06/09/05           | N.Y.A.                |
| 10/581,698             | 06/09/05           | 1632                  |

Since these applications are stored in the U.S. Patent and Trademark Office's IFW system, a copy thereof is not submitted due to a *sua sponte* waiver of 37 C.F.R. § 1.98(a)(2)(iii).

The Examiner's attention is also directed to the concurrently submitted copy of the International Preliminary Report on Patentability, which was issued during the international stage of the subject national stage application. The documents cited in this Report are already of record in the present case.

The concise explanation of relevance for the non-English document may be found, *inter alia*, in the specification where it is cited and/or in the abstract attached thereto.

#### CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that a copy of the attached Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

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|   |           |  |                 |  |            |                                      |                                       |
|---|-----------|--|-----------------|--|------------|--------------------------------------|---------------------------------------|
| FORM PTO 1449 (modified)<br><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>LIST OF REFERENCES CITED BY APPLICANT(S)<br>(Use several sheets if necessary) |           |  |                 | ATTY DOCKET NO.<br><b>03500.120467</b> |            | APPLICATION NO.<br><b>10/580,830</b> |                                       |
| APPLICANT<br><b>Takashi Kenmoku et al.</b>  |           |  |                 |  |            |                                      |                                       |
| FILING DATE<br><b>June 9, 2005</b>  |           |  |                 |  |            | GROUP<br><b>1632</b>                 |                                       |
| U.S. PATENT DOCUMENTS   |           |  |                 |  |            |                                      |                                       |
| EXAMINER<br>INITIAL   |           | DOCUMENT<br>NUMBER   | DATE            | NAME                                   | CLASS      | SUBCLASS                             | FILING DATE<br>IF APPROPRIATE         |
|   |           | <b>6,645,743 B1</b>  | <b>11/11/03</b> | <b>Honma et al.</b>                    | <b>435</b> | <b>146</b>                           |                                       |
|   |           | <b>2006/0211100 A1</b>   | <b>09/21/06</b> | <b>Kenmoku et al.</b>                  | <b>435</b> | <b>135</b>                           |                                       |
|   |           | <b>2005/0196521 A1</b>   | <b>09/08/05</b> | <b>Kozaki et al.</b>                   | <b>427</b> | <b>2.24</b>                          |                                       |
|   |           | <b>2006/0247414 A1</b>   | <b>11/02/06</b> | <b>Kenmoku et al.</b>                  | <b>528</b> | <b>272</b>                           |                                       |
|   |           |  |                 |  |            |                                      |                                       |
|   |           |  |                 |  |            |                                      |                                       |
|   |           |  |                 |  |            |                                      |                                       |
|   |           |  |                 |  |            |                                      |                                       |
| FOREIGN PATENT DOCUMENTS  |           |  |                 |  |            |                                      |                                       |
|   |           | DOCUMENT<br>NUMBER   | DATE            | COUNTRY                                | CLASS      | SUBCLASS                             | TRANSLATION<br>YES/NO/<br>OR ABSTRACT |
|   | <b>WO</b> | <b>2005/121204 A2</b>  | <b>12/22/05</b> | <b>International</b>                   |            |                                      |                                       |
|   | <b>WO</b> | <b>2005/121207 A2</b>  | <b>12/22/05</b> | <b>International</b>                   |            |                                      |                                       |
|   | <b>JP</b> | <b>2-3415</b>  | <b>01/09/90</b> | <b>Japan</b>                           |            |                                      | <b>Abstract</b>                       |
|   |           |  |                 |  |            |                                      |                                       |
|   |           |  |                 |  |            |                                      |                                       |
| OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)  |           |  |                 |  |            |                                      |                                       |
|   |           | <b>Mikael Trollsås et al., "Hydrophilic Aliphatic Polyesters: Design, Synthesis, and Ring-Opening Polymerization of Functional Cyclic Esters," 33 <i>Macromol.</i> 4619-27 (2000).</b>                         |                 |  |            |                                      |                                       |
|   |           | <b>Bryan Parrish et al., "Functional Polyesters by Ring-Opening Polymerization of <math>\alpha</math>-allyl(<math>\delta</math>-valerolactone)," 87 <i>Polymer. Mater.: Sci. &amp; Eng.</i> 254-55 (2002).</b> |                 |  |            |                                      |                                       |
|   |           | <b>C.P. Radano et al., "Synthesis of Novel Biodegradable Copolyesters Using Olefin Metathesis," 43(2) <i>Polymer Reprints</i> 727-28 (2002).</b>   |                 |  |            |                                      |                                       |
|   |           |  |                 |  |            |                                      |                                       |
| EXAMINER  |           |  |                 | DATE CONSIDERED                        |            |                                      |                                       |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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